

PATENT
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NO. 4988900-0010

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

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ATTENTION: Commissioner for Patents)	
P.O. Box 1450)	"Express Mail" Mailing Label Number
Alexandria, VA 22313-1450	)	<u>EU625636307US</u>
Applicant(s): Thomas P. Abbott et al.	)	Date of Deposit: <u>August 1, 2003</u>
Application No.:	)	I hereby certify that these papers/fees are being
Filed: Filed Herewith	)	deposited with the United States Postal Service
Title: 3-Methoxybenzyl Thiourea Derivatives and Improved Lipid Compositions Containing Same	)	"Express Mail Post Office to Addressee"
Group Art Unit:	)	Service under 37 CFR §1.10 on the date
Examiner:	)	indicated above and are addressed to:
)	
	)	Director of the United States Patent and
	)	Trademark Office, Attention: Commissioner for
	)	Patents, P.O. Box 1450, Alexandria, VA
	)	22313-1450.
)	
	)	<u>Roberta L. Hastreiter</u>
	)	(Typed or printed name of person mailing)
)	
	)	<u>Roberta L. Hastreiter</u>
	)	(Signature of person mailing)

**INFORMATION DISCLOSURE STATEMENT
UNDER 37 C.F.R. §1.56, §1.97 AND §1.98**

Hon. Director of the United States Patent and Trademark Office
Attention: Assistant Commissioner for Patents

Dear Sir:

Applicants draw the Examiner's attention to the documents listed on the accompanying Information Disclosure Citation, which is being submitted by Applicants to the U.S. Patent and Trademark Office for consideration, and request that the Examiner consider them and make them of record in the above-identified Application.

The above-identified application is a continuation patent application of pending application U.S. Serial No. 09/840,768, filed on April 23, 2001, which is a utility patent application filed from prior Provisional Application No. 60/202,562, filed on May 10, 2000. In accordance with 37 C.F.R. §1.98(d)(1), Applicants are relying upon these earlier applications for an earlier effective filing date under 35 U.S.C. §120 and 35 U.S.C. §119. In accordance with 37 C.F.R. §1.98(d)(2), Applicants submit that the Information Disclosure Statements submitted in the earlier applications comply with paragraphs (a) through (c) of 37 C.F.R. §1.98. Thus, because Applicants are not required to do so under 37 C.F.R. §1.98(d), Applicants have not enclosed copies of any of the documents listed on the accompanying Information Disclosure Citation.

Applicants request that the Examiner make the documents listed on the accompanying Information Disclosure Citation of record, and indicate the Examiner's consideration of the same by initialing one copy of the Information Disclosure Citation enclosed and returning it to their attorney.

Because this Information Disclosure Statement is being filed with the U.S. Patent and Trademark Office before the mailing of a first office action for the application on the merits, no fee is due under 37 C.F.R. §1.17.

Respectfully submitted,

LORD, BISSELL & BROOK

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August 1, 2003

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Information Disclosure Citation

4988900/0010

Applicants: Thomas P. Abbott et al.

Application No.:

Title: 3-Methoxybenzyl Thiourea
Derivatives and Improved Lipid
Compositions Containing Same

Filed: Simultaneously
Herewith

Group Art Unit:

Examiner:

1. U.S. Patent Documents

<u>Examiner Initial</u>	<u>Patent Number</u>	<u>Issue Date</u>	<u>Name</u>	<u>Class</u>	<u>Subclass</u>	<u>Filing Date</u>
_____	2,154,341	4/11/39	Martin et al.	37	16	3/23/36
_____	2,662,096	12/8/53	Huebner et al.	260	552	7/20/51
_____	3,483,296	12/9/69	Martin et al.	424	322	3/22/66
_____	3,743,736	7/3/73	Porter et al.	424	267	6/23/71
_____	3,852,348	12/3/74	Teach	260	553	3/12/73
_____	3,949,089	4/6/76	Maxwell et al.	424	326	1/14/74
_____	3,991,008	9/11/76	Temin et al.	260	42.15	8/12/74
_____	4,925,581	5/15/90	Erickson et al.	252	48.2	7/19/88
_____	5,079,304	1/7/92	DeMarco	525	329.8	12/18/89
_____	5,262,072	11/16/93	Camenzind et al.	252	32.7	6/24/91
_____	5,441,984	8/15/95	Heath et al.	514	595	11/14/94
_____	5,434,283	7/18/95	Wang et al.	554	224	8/31/94
_____	5,747,528	5/5/98	Kakidas	514	456	1/24/97
_____	6,013,818	1/11/00	O'Lenick, Jr.	554	224	8/3/98
_____	6,136,330	10/24/00	Soliman et al.	424	401	10/30/98

_____	6,180,668	1/30/01	O'Lenick, Jr. et al.	514	547	6/11/99
_____	6,545,052	4/8/03	Wohlman et al.	514	587	11/29/00

2. Foreign Patent Documents

<u>Examiner Initial</u>	<u>Country</u>	<u>Document Number</u>	<u>Publication Number</u>	<u>Publication Date</u>
_____	Europe	91810474.6	EP 0 466 639 B1	6/19/91
_____	Europe		EP 0 903 349 A2	3/24/99
_____	PCT		WO 96/28008	9/19/96
_____	Deutsche Demokratische Republic		DD 208 298 A	5/2/84

3. Other Documents

<u>Examiner Initials</u>	<u>Author</u>	<u>Title, Publication, Relevant Pages, Date and Place of Publication</u>
_____	Martin G. Ettlinger et al.	"The Mustard Oil of <i>Limnanthes douglasii</i> Seed, m-Methoxybenzyl Isothiocynate," Journal of the American Chemical Society, Vol. 78, No. 9, Pages 1952-1954 (1956).
_____	T.S. Chao et al.	"Some Synergistic Antioxidants for Synthetic Lubricants," Symposium on Synthetic and Petroleum-Based Lubricants Presented Before the Division of Petroleum Chemistry, Inc., 27(2), 362-379, American Chemical Society, Las Vegas Meeting, March 28-April 2, 1982.
_____	T.P. Abbott	"Oxidative Stability System in Meadowfoam," Abstract from the 89 th AOCS Annual Meeting & Expo, Chicago, Illinois, May 10-13 (1998).

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| _____ | M. Rechcigl, Jr. | CRC Handbook of Naturally Occurring Food Toxicants, CRC Press, Inc. (Boca Raton, Florida), Pages 15-30 (1983). |
| _____ | S. Vaughn et al. | “Isolation and Identification of (3-Methoxyphenyl) Acetonitrile as a Phytotoxin from Meadowfoam (<i>Limnanthes alba</i>) Seedmeal,” Journal of Chemical Ecology, Vol. 22, No. 10, 1939-1949 (1996). |
| _____ | T. Johns et al. | “Anti-Reproductive and Other Medicinal Effects of <i>Tropaeolum Tuberosum</i> ,” Journal of Ethnopharmacology 5, 149-161 (1982). |
| _____ | T.A. Isbell et al. | “Oxidative Stability Index of Vegetable Oils in Binary Mixtures with Meadowfoam Oil,” Industrial Crops and Products 9, 115-123 (1999). |
| _____ | K. Tian et al. | “Determination of Oxidative Stability of Oils and Fats,” Anal. Chem. 71, 1692-1698 (1999). |
| _____ | S. El. Migirab et al. | “Isothiocyanates, Thioureas et Thiocarbamates Isoles De Pentadip landra Brazzeana,” Phytochemistry 16, 1719-1721 (1977). |
| _____ | W.W. Christie | “Antioxidants,” Bell & Bain Ltd., Glasgow, The Oily Press, Ltd. (Dundee, Scotland, 1988), Pages 133-159. |
| _____ | G. Kajimoto et al. | “Changes in Organic Acid Formulation in Volatile Degradation Products During Oxidation of Oils Treated with Antioxidant,” Fac. Nutr., Kobe Gakuin Univ., Kobe, Japan. Nippon Eiyo, Shokuryo Gakkaishi 51(4), 207-212 (1998). |
| _____ | K. Ziegler-Skylakakis | “S-Oxygenation of Thiourea Results in the Formation of Genotoxic Products,” Environ. Mol. Mutagen. 31(4), 362-373 (1998). |

_____	S.L. Mali et al.	“Phytochemical Oxidation of Phenyl-3-(2-Pyridyl)Thiourea by Singlet Oxygen,” Asian J. Chem. 5(4), 808-812 (1993).
_____	A. Mustafa et al.	“Reaction of Thiourea with Hydrogen Peroxide: Carbon-13 NMR Studies of an Oxidative/Reductive Bleaching Process,” Text. Res. J. 62(2), 94-100 (1992).
_____	Internet	“Uses of Meadowfoam Seed Oil™,” March 9, 2000, http://www.meadowfoam.com/uses/htm .
_____	T. Abbott et al.	“Antioxidants from Meadowfoam Stabilizes Other Oils,” Abstract, Assoc. for the Adv. of Ind. Crops, October 15-17, 2000, St. Louis, MO.

4. Pending U.S. Patent Applications

<u>Examiner Initials</u>	<u>Application Number</u>	<u>Filing Date</u>	<u>Applicants</u>
_____	U.S. Serial No. 09/840,768	April 23, 2001	Thomas P. Abbott et al.
_____	U.S. Serial No. 10/075,418	February 14, 2002	Thomas P. Abbott et al.
_____	U.S. Serial No. 10/338,313	January 8, 2003	Alan Wohlman et al.
_____	U.S. Serial No. 10/426,122	April 29, 2003	Thomas P. Abbott et al.

5. Presentations

Examiner

Initials

Relevant Information

89th Am. Oil Chem. Soc.,
May 10-13, 1998, Chicago,
Illinois. This presentation
discussed some of the
compounds that are present in
crude meadowfoam seed oil
that do not contribute
substantially to the oxidative
stability of lipids or oils. It
did not discuss any 1-(3-
methoxybenzyl)-3-substituted
thiourea compounds.

Assoc. for the Adv. of Ind.
Crops, October 15-17, 2000,
St. Louis, MO. This
presentation identified the
presence of 1,3-di(3-
methoxybenzyl) thiourea in
meadowfoam seed oil. No
other 1-(3-
methoxybenzyl)-3-substituted
thiourea compounds were
discussed.

Examiner's Name: _____

Examiner's Signature: _____

Date Considered: _____, 200__